AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

Claims 1-22 (cancelled)

Claim 23 (Previously Presented): A device for heating liquids, comprising:

a base structure, and

at least one heating element connecting to the base structure, wherein at least one non-linear channel structure is arranged between the base structure and the heating element for throughflow of a liquid for heating, wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element.

Claim 24 (Previously Presented): The device as claimed in claim 23, wherein at least a part of the channel structure is arranged recessed into an outer surface of the base structure.

Claim 25 (Previously Presented): The device as claimed in claim 23, wherein at least a part of the channel structure is arranged recessed into the heating element.

Claim 26 (Previously Presented): The device as claimed in claim 23, wherein the heating element takes a substantially plate-like form.

Claim 27 (Previously Presented): The device as claimed in claim 23, wherein the channel length of the channel structure lies between 0.3 and 7 metres, in particular between 0.5 and 5 metres.

Claim 28 (Previously Presented): The device as claimed in claim 23, wherein the cross-section of the channel structure has a surface area which lies between 1 and 100 mm^2, in particular between 2 and 50 mm^2.

Claim 29 (Previously Presented): The device as claimed in claim 23, wherein the channel structure has an at least partly angular form.

Claim 30 (Previously Presented): The device as claimed in claim 23, wherein the channel structure has an at least partly curved form.

Claim 31 (Previously Presented): The device as claimed in claim 30, wherein the channel structure has an at least partly spiral-shaped form, wherein the channel structure is formed at least partially by at least one spirally wound strip.

Claim 32 (Previously Presented): The device as claimed in claim 23, wherein at least a part of the base structure directed toward the heating element takes an at least partially flexible form, and in particular is at least partly manufactured from a flexible material.

Claim 33 (Previously Presented): The device as claimed in claim 23, wherein the base structure is formed by a plurality of separate, mutually connected base modules.

Claim 34 (Previously Presented): The device as claimed in claim 23, wherein the device is provided with a pump for pumping the liquid for heating under pressure through the channel structure.

Claim 35 (Previously Presented): The device as claimed in claim 34, wherein a pump flow rate of the pump can be regulated.

Claim 36 (Previously Presented): The device as claimed in claim 35, wherein the device is provided with sensor means coupled to the pump for regulating the pump flow rate subject to the liquid temperature in the channel structure.

Claim 37 (Previously Presented): The device as claimed in claim 23, wherein the heating element is displaceable relative to the base structure between a position connecting to the channel structure and a position situated at a distance from the channel structure.

Claim 38 (Previously Presented): ~~The device as claimed in claim 37,~~ A device for heating liquids, comprising:

a base structure, and

at least one heating element connecting to the base structure, wherein at least one non-linear channel structure is arranged between the base structure and the heating element for throughflow of a liquid for heating, wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element,

wherein the heating element is displaceable relative to the base structure between a position connecting to the channel structure and a position situated at a distance from the channel structure, and

wherein the base structure and the heating element in the position at a distance from the base structure mutually enclose an evaporation chamber.

Claim 39 (Previously Presented): ~~The device as claimed in claim 34,~~ A device for heating liquids, comprising:

a base structure, and

at least one heating element connecting to the base structure, wherein at least one non-linear channel structure is arranged between the base structure and the heating element for throughflow of a liquid for heating, wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element,

wherein the device is provided with a pump for pumping the liquid for heating under pressure through the channel structure, and

wherein the pump is coupled to the heating element and/or the base structure in order to change the relative orientation of the heating element and the base structure.

Claim 40 (Previously Presented): A base structure comprising at least one heating element, wherein at least one non-linear channel is arranged between the base structure and the heating element for throughflow of a liquid for heating, wherein the base comprises bias-generating means to enable the base structure to connect under bias to the heating element.

Claim 41 (Previously Presented): A method for heating liquids comprising the steps of:

providing a base structure, and at least one heating element connecting to the base structure, wherein at least one non-linear channel structure is arranged between the base structure and the heating element for throughflow of a liquid for heating, wherein the device comprises bias-generating means to enable the base structure to connect under bias to the heating element;

a) activating the heating element;

b) guiding a liquid for heating through a passage formed between the heating element and the base structure; and

c) pressing the base structure under bias against the heating element.

Claim 42 (Previously Presented): The method of claim 41, wherein the liquid for heating is guided along the heating element via a channel structure.

Claim 43 (Previously Presented): The method of claim 41, wherein the liquid for heating is guided through the passage along the heating element with forming of a vapour.

Claim 44 (Previously Presented): The method of claim 41, wherein guiding of the liquid for heating through the passage formed between the heating element and the base structure takes place under increased pressure.